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Geballe, T. H. See Tarascon, J. M. Gefter, Malcolm L. See Guillet, Jean-Gerard. George, David G.; Hunt, Lois T.; Barker, Winona G.: Nucleic acid database management (letter). p1562 27 Mar 1987.

Georges, Michel. See Vassart, Gilbert. Getzoff, Elizabeth D. See Geysen, H. Mario.

Geysen, H. Mario; Rodda, Stuart J.; Alexander, Hannah; Tainer, John A.; Lerner, Richard A.: Mechanisms of antibody binding to a protein. p1191 6 Mar 1987.

Gevins, Alan S.; Morgan, Nelson H.; Bressler, Steven L.; Cutillo, Brian A.; White, Roseann M.; Illes, Judy; Greer, Douglas S.; Doyle, Joseph C.; Zeitlin, Gerald M.: Human neuroelectric patterns predict performance accuracy. p580 30 Jan 1987.

Geysen, H. Mario. See Getzoff, Elizabeth D. ; Tainer, John A.; Rodda, Stuart J.; Mason, Tom J.; Alexander, Hannah; Getzoff, Elizabeth D.; Lerner, Richard A.: Chemistry of antibody binding to a protein. p1184 6 Mar 1987. Gibbs, Jackson B. See Robinson, Lucy C.

Gilbert, J. See Bartlett, R. J.

Gillin, Frances D.; Reiner, David S.; Gault, Michael J.; Douglas, Herndon; Das, Siddhartha; Wunderlich, Annette; Sauch, Judith F.: Encystation and expression of cvst antigens by Giardia lamblia in vitro. p1040 27 Feb 1987.

Gingras, Yves: review of Confronting Nature, by Trevor Pinch. p225 9 Jan 1987.

Gittins, John: review of Ring Complex Granites and Anorogenic Magmatism, by Bernard Bonin. p1091 27 Feb 1987.

Gland, J. See Roxlo, C. B. Glass, A. M.: Optical materials. p1003 27 Feb

Glazer, Alexander N. See Stocker, Roland. Glowa, John R. See Suzdak, Peter D. Goad, Walter. See Burks, Christian.

Godfriaux, Bruce L.: Net primary production: the tomato example (letter). p15 2 Jan 1987. Goh, Wei Chun. See Greene, Warner C.

Goldgaber, Dmitry. See Delabar, Jean-Maurice. Lerman, Michael I.; McBride, O. Wesley; Saffiotti, Umberto; Gajdusek, D. Carleton: Characterization and chromosomal localization of a cDNA encoding brain amyloid of Alz-heimer's disease. p877 20 Feb 1987. Goldstein, Alvin G.: Replication and the scientific

method (letter). p267 16 Jan 1987. Goldstein, David B.: Oil import fee? (letter).

p522 30 Jan 1987.

Gonzalez-Scarano, Francisco. See Sundin, Daniel

Good, Michael F.; Maloy, W. Lee; Lunde, Milford N.; Margalit, Hanah; Cornette, James L.; Smith, Geoffrey L.; Moss, Bernard; Miller, Louis H.; Berzofsky, Jay A.: Construction of synthetic immunogen: use of new T-helper epitope on malaria circumsporozoite protein. p1059 27 Feb 1987.

Gordon, Glen E .: review of Atmospheric Chemistry, by Barbara J. Finlayson-Pitts and James N. Pitts, Jr., and Atmospheric Chemistry and Physics of Air Pollution, by John S. Seinfeld. p1263 6

Mar 1987.

Goring, D. R.; Rossant, J.; Clapoff, S.; Breitman, M. L.; Tsui, L.-C.: In situ detection of βgalactosidase in lenses of transgenic mice with a γ-crystallin/lacZ gene. p456 23 Jan 1987.

Gould, Meredith and Stephano, José Luis: Electrical responses of eggs to acrosomal protein similar to those induced by sperm. p1654 27 Mar 1987

Greaves, D. R. See Borst, P.

Greenberg, J. P. See Dickerson, R. R.

Greene, L. H. See Tarascon, J. M. Greene, Warner C.; Leonard, Warren J.; Wano, Yuji; Svetlik, Penny B.; Peffer, Nancy J.; Sodroski, Joseph G.; Rosen, Craig A.; Goh, Wei Chun; Haseltine, William A.: Trans-activator gene of HTLV-II: interpretation (technical comment). p1073 27 Feb 1987.

Greenhalgh, Susan and Pongaarts, John: Fertility policy in China: future options. p1167 6 Mar

1987

Greenstone, Matthew H.: Support for the Uspenskiis (letter). p1307 13 Mar 1987. Greer, Douglas S. See Gevins, Alan S.

Grega, Debra S.; Werz, Mary Ann; Macdonald Robert L.: Forskolin and phorbol esters reduce the same potassium conductance of mouse neu-

rons in culture. p345 16 Jan 1987. Greiner, John W.; Guadagni, Fiorella; Noguchi, Philip; Pestka, Sidney; Colcher, David; Fisher, Paul B.; Schlom, Jeffrey: Recombinant interferon enhances monoclonal antibody-targeting of carcinoma lesions in vivo. p895 20 Feb 1987. Grey, Howard M. See Buus, Soren. See also Guil-

let, Jean-Gerard.

Grisafi, Paula. See Kaiser, Chris A.

Gronenborn, Angela M. See Brünger, Axel T. (p1049).

Grossberg, Stephen. See Carpenter, Gail A. Growdon, John. See St George-Hyslop, Peter H. Gruber, Carol S.: review of No Ivory Tower, by Ellen W. Schrecker. p371 16 Jan 1987. Guadagni, Fiorella. See Greiner, John W.

Guillet, Jean-Gerard; Lai, Ming-Zong; Briner, Thomas J.; Buus, Soren; Sette, Alessandro; Grey, Howard M.; Smith, John A.; Gefter, Malcolm L.: Immunological self, nonself discrimination. p865 20 Feb 1987.

Gunning, Richard: Increased numbers of ion channels promoted by an intracellular second messenger. p80 2 Jan 1987.

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### H-K

Haines, Jonathan L. See St George-Hyslop, Peter

Halldin, C. See Fowler, J. S. Hamer, Dean H. See Seguin, Carl.

Hammer, Robert E.; Krumlauf, Robb; Camper, Sally A.; Brinster, Ralph L.; Tilghman, Shirley M.: Diversity of alpha-fetoprotein gene expression in mice is generated by a combination of

separate enhancer elements. p53 2 Jan 1987. Hamon, Brigitte. See Yaari, Yoel.

Hannibal, Kari: Forensic experts aid Philippine search for disappeared. p535 30 Jan 1987. Hannun, Yusuf A. and Bell, Robert M.: Lyso-

sphingolipids inhibit protein kinase C: implications for the sphingolipidoses. p670 6 Feb

Haq, Bilal U.; Hardenbol, Jan; Vail, Peter R.: Chronology of fluctuating sea levels since the Triassic. p1156 6 Mar 1987.

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Hardenbol, Jan. See Haq, Bilal U. Hardy, Larry W.; Finer-Moore, Janet S.; Montfort, William R.; Jones, Melvin O.; Santi, Daniel V.; Stroud, Robert M.: Atomic structure of thymidylate synthase: target for rational drug design. p448 23 Jan 1987.

Hare, D. L. See Stern, D. F. Harris, D. B. See Mumford, J. L. Hartl, Daniel L. See Bryan, Glenn J. Hartshorn, Kevan L. See Vogt, Markus W. Hartvig, P. See Fowler, J. S. Haseltine, William A. See Greene, Warner C. Haspel, Howard C. See Birnbaum, Morris J. Hausen, Arno. See Fuchs, Dietmar. Haussler, Mark R. See McDonnell, Donald P. Hayward, T. See Craig, H. He, X. Z. See Mumford, J. L.

Heidemann, Steven R. See Buxbaum, Robert E. Heinrich, Bernd: Nuclear winter debate (letter). p831 20 Feb 1987.

Hengster, Paul. See Fuchs, Dietmar. Herbert, Edward. See Adelman, John P. Herbstreith, M. See Bartlett, R. I.

Herter, Terry: review of Light on Dark Matter, edited by F. P. Israel. p695 6 Feb 1987.
Hewick, Rodney M. See Wong, Gordon G.

Hibbard, John. See Simkin, Susan M. Hibbs, John B., Jr.; Taintor, Read R.; Vavrin, Zdenek: Macrophage cytotoxicity: role for Larginine deiminase and imino nitrogen oxida-

tion to nitrite. p473 23 Jan 1987. Hickey, John R. See Wolff, Charles L. Hiltner, A. See Baer, E.

Hirabayashi, H. See Levy, G. S. Hirsch, Martin S. See Vogt, Markus W. Hirsch, Robert L.: Impending United States en-

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Hobbie, Lawrence; Kingsley, David M.; Ko-zarsky, Karen F.; Jackman, Robert W.; Krieger, Monty: Restoration of LDL receptor activity in mutant cells by intercellular junctional communication. p69 2 Jan 1987.

Hobbs, Wendy J. See St George-Hyslop, Peter H.
Hoch, Harvey C.; Staples, Richard C.; White-

head, Brian; Comeau, Jerry; Wolf, Edward D.: Signaling for growth orientation and cell differentiation by surface topography in Uromyces. p1659 27 Mar 1987.

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1987. Romeo and Juliet and youth suicide. p21 2 Jan 1987. Sakharov sends message to Vienna. p739 13 Feb 1987. Textbook controversy intensifies nationwide. p19 2 Jan 1987. Textbook ruling sparks concern. p1459 20 Mar 1987. A top priority at NIMH. p431 23 Jan 1987. The Vatican weighs in. p1455 20 Mar 1987.

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Hopfield, John J. and Tank, David W.: Computing with neural networks (technical comment). pl228 6 Mar 1987.

Hopkins, Theodore L. See Schaefer, Jacob. Hor, P. H. See Chu, C. W.

Horvath, Suzanna J. See Bruist, Michael F. Houweling, Ada. See Vaessen, Ruud T. M. J. Howald, William N. See Rettie, Allan E. Huang, Minmin. See Molnar, Peter.

Huang, Y.-L. and Moriarty-Schieven, G. H.: A revisit to the guest star of A.D. 185. p59 2 Jan

Huang, Z. J. See Chu, C. W. Huffman, G. J. See Dickerson, R. R. Hull, David L.: review of Scientists and Journalists, edited by Sharon M. Friedman, Sharon Dun-

woody, and Carol L. Rogers. p93 2 Jan 1987. Hull, G. W. See Tarascon, J. M. Hume, Frederick R.: Advancements in the application of computers to scientific research (Guide). pG54 27 Feb 1987.

Hummer, John L.: Rüdenberg's patents (letter). pl44 9 Jan 1987.

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p1448 20 Mar 1987. Huret, Jean-Louis. See Delabar, Jean-Maurice. Iannuzzi, Michael C. See Collins, Francis S.

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Jackson, Jeremy B. C. and Kaufmann, Karl W.: Diadema antillarum was not a keystone predator in cryptic reef environments. p687 6 Feb 1987.

Jacob, Gary S. See Schaefer, Jacob. Jacobson, James W. See Bryan, Glenn J. Jaiswal, Rama Kant. See Paul, Aranjaniyil K. Janzen, Daniel H.: Forest restoration in Costa Rica (letter). p15 2 Jan 1987.

Jeanloz, Raymond. See Knittle, Elise. Jenkins, Ron: Use of x-ray methods for the study of chemical composition (Guide). pG169 27 Feb 1987.

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Kaiser, Chris A.; Preuss, Daphne; Grisafi, Paula; Botstein, David: Many random sequences functionally replace the secretion signal sequence of yeast invertase. p312 16 Jan 1987. Kamer, Greg. See Luo, Ming.

Karban, Richard; Adamchak, Rodney; Schnathorst, William C.: Induced resistance and interspecific competition between spider mites

and a vascular wilt fungus. p678 6 Feb 1987. Karen, David: review of The American College and the Culture of Aspiration, 1915-1940, by David O. Levine. p798 13 Feb 1987.

Karplus, Martin. See Brünger, Axel T. (p458 and p1049). See also Elber, R.

Kasting, J. F. and Ackerman, T. P.: Earth's early

atmosphere (letter). p415 23 Jan 1987. Katz, Michael J. See Miller, Robert H. Kaufman, Randal J. See Wong, Gordon G. Kaufmann, Karl W. See Jackson, Jeremy B. C. Kawaguchi, N. See Levy, G. S.

Keith, Charles H.: Slow transport of tubulin in the neurites of differentiated PC12 cells. p337

16 Jan 1987. Keith, H. D. See Baer, E.

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Ian 1987

King, Patricia. See Mahowald, Mary B. Kingsley, David M. See Hobbie, Lawrence. Kirchgessner, Todd G. See Wion, Karen L.

Kirk, R. L.: review of Prehistory in the Pacific Islands, by John Terrell. p1683 27 Mar 1987. Kitado, Haruo; Chen, Irvin S.-Y.; Shah, Neil P.; Cann, Alan J.; Shimotohno, Kunitada; Fan, Hung: U3 sequences from HTLV-I and -II LTRs confer px protein response to a murine leukemia virus LTR. p901 20 Feb 1987.

Klagsbrun, Michael. See Folkman, Judah. Knapp, Gillian R .: review of My Daughter Beatrice, by Edward Hill. p915 20 Feb 1987.

Knittle, Elise and Jeanloz, Raymond: Synthesis and equation of state of (Mg,Fe)SiO3 perovskite to over 100 gigapascals. p668 6 Feb 1987. Koblitz, Ann Hibner: review of *Hypatia's Heritage*, by Margaret Alic. p1092 27 Feb 1987.

Kohonen, Teuvo and Oja, Erkki: Computing with neural networks (technical comment).

p1227 6 Mar 1987.

Kolata, Gina (news): Clinical trials planned for new AIDS drug, p1138 6 Mar 1987. Diabetics should lose weight, avoid diet fads. p163 9 Jan 1987. Dietary fat-breast cancer link ques-tioned. p436 23 Jan 1987. FDA approves AZT. p1570 27 Mar 1987. Fire! new ways to prevent it. p281 16 Jan 1987. High-carb diets questioned. p164 9 Jan 1987. Human cancer gene sequenced. p1323 13 Mar 1987. Human cancer gene sequenced. p1323 13 Mar 1987. Immi-nent marketing of AZT raises problems. p1462 20 Mar 1987. Manic-depression gene tied to chromosome 11. p1139 6 Mar 1987. Marrow suppression hampers AZT use in AIDS victims. p1463 20 Mar 1987. Math papers called inaccessible. p159 9 Jan 1987. Mathematical model predicts AIDS spread. p1464 20 Mar 1987. New understanding of Gaucher's disease. p1328 13 Mar 1987. Oncogenes give breast cancer prognosis. p160 9 Jan 1987. Progress on Fermat's famous math problem. p1572 27 Mar 1987. Wet-nursing boom in England explored. p745 13 Feb 1987

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Kozarsky, Karen F. See Hobbie, Lawrence. Kramer, Karl J. See Schaefer, Jacob. Krieger, Monty. See Hobbie, Lawrence. Kriz, Ronald. See Wong, Gordon G. Kromer, Lawrence F.: Nerve growth factor treat-

ment after brain injury prevents neuronal

death. p214 9 Jan 1987. Krumlauf, Robb. See Hammer, Robert E. Kulkosky, Joseph. See Laurence, Jeffrey. Kumlin, Erika. See Nakamura, Yusuke. Kunimori, H. See Levy, G. S. Kuntz, Irwin D. See Marks, Cara Berman. Kuriyan, John. See Brünger, Axel T. (p458).

Kurnit, David M. See Tanzi, Rudolph E.

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Laufer, H.; Borst, D.; Baker, F. C.; Carrasco, C.; Sinkus, M.; Reuter, C. C.; Tsai, L. W.; Schooley, D. A.: Identification of a juvenile hormonelike compound in a crustacean. p202 9 Jan

Laurence, Jeffrey; Saunders, Anne; Kulkosky, Joseph: Characterization and clinical association of antibody inhibitory to HIV reverse transcriptase activity. p1501 20 Mar 1987. Lawn, Richard M. See Wion, Karen L.

Lawrence, Simon K.; Smith, Cassandra L.; Srivastava, Rakesh; Cantor, Charles R.; Weissman, Sherman M.: Megabase-scale mapping of the HLA gene complex by pulsed field gel electrophoresis. p1387 13 Mar 1987.

Leary, Anne C. See Wong, Gordon G. Lederer, W. J. See Wier, W. G. Lee, Eva Y .- H. P. See Lee, Wen-Hwa. Lee, J. E. See Bartlett, R. J.

Lee, Kyu-Ho; Wells, Rebecca G.; Reed, Randall R.: Isolation of an olfactory cDNA: similarity to retinol-binding protein suggests a role in olfaction. p1053 27 Feb 1987. Lee, Milton L. and Markides, Karin E.: Chroma-

tography with supercritical fluids. p1342 13 Mar 1987.

Lee, Wen-Hwa; Bookstein, Robert; Hong, Frank; Young, Lih-Jiuan; Shew, Jin-Yuh; Lee, Eva Y.-H. P.: Human retinoblastoma susceptibility gene: cloning, identification, and se-quence. p1394 13 Mar 1987. Leenders, K. L. See Fowler, J. S.

Leonard, Warren J. See Greene, Warner C. Leppert, Mark. See Nakamura, Yusuke.

Lequarre, Anne Sophie. See Vassart, Gilbert. Lerman, Michael I. See Goldgaber, Dmitry. Lerner, Richard A. See Getzoff, Elizabeth D. See also Geysen, H. Mario.

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Levin, Alan S.: "Toxic torts" (letter). p268 16 Jan

Levin, H. M.: review of Low Tech Education in a High Tech World, by Elizabeth L. Useem. p799 13 Feb 1987

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Lewin, Roger (news): Bottlenecked cheetahs. p1327 13 Mar 1987. Creationism case argued before Supreme Court. p22 2 Jan 1987. Debate over emergence of human tooth pattern. p748 13 Feb 1987. Four legs bad, two legs good. p969 27 Feb 1987. Freed hands or enslaved feet? p970 27 Feb 1987. Life thrives under breaking ocean waves. pl465 20 Mar 1987. National Academy looks at human genome project, sees progress. p747 13 Feb 1987. Politics of the genome. p1453 20 Mar 1987. The surprising genetics of bottlenecked flies. p1325 13 Mar 1987.

Lewy, Alfred J.; Sack, Robert L.; Miller, L. Stephen; Hoban, Tana M.: Antidepressant and circadian phase-shifting effects of light. p352

16 Jan 1987.

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Linthicum, Kenneth J.; Bailey, Charles L.; Davies, F. Glyn; Tucker, Compton J.: Detection of Rift Valley fever viral activity in Kenya by satellite remote sensing imagery. p1656 27 Mar 1987.

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Livingston, Katherine: review of *Drosophila*, edited by D. B. Roberts. p96 2 Jan 1987. review of Embryogenesis in Angiosperms, by V. Raghavan. p96 2 Jan 1987. review of NMR of Proteins and Nucleic Acids, by Kurt Wüthrich. p96 2 Jan

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p730 13 Feb 1987.

Lotz, Martin; Carson, Dennis A.; Vaughan, John H.: Substance P activation of rheumatoid synoviocytes: neural pathway in pathogenesis of arthritis. p893 20 Feb 1987.

Lovejoy, S.; Schertzer, D.; Tsonis, A. A.: Functional box-counting and multiple elliptical dimensions in rain. p1036 27 Feb 1987

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Luo, Ming; Vriend, Gerrit; Kamer, Greg; Minor, Iwona; Arnold, Edward; Rossmann, Michael G.; Boege, Ulrike; Scraba, Douglas G.; Duke, Greg M.; Palmenberg, Ann C.: The atomic structure of Mengo virus at 3.0 Å resolution.

p182 9 Jan 1987. Lusis, Aldons J. See Wion, Karen L. Lüse, Reimar: Space station plan (letter). p623 6 Lux, Hans D. See Yaari, Yoel.

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Mahon, Kathleen A.; Chepelinsky, Ana B.; Khillan, Jaspal S.; Overbeek, Paul A.; Piatigorsky, Joram; Westphal, Heiner: Oncogenesis of the lens in transgenic mice. p1622 27 Mar 1987.

Mahowald, Mary B.; Areen, Judith; Hoffer, Barry J.; Jonsen, Albert R.; King, Patricia; Silver, Jerry; Sladek, John R., Jr.; Walters, LeRoy: Transplantation of neural tissue from fetuses (letter). p1307 13 Mar 1987.

Maizel, Abby. See Sharma, Surenda. Maloy, W. Lee. See Good, Michael F. Mangelsdorf, David J. See McDonnell, Donald P. Marala, Ravi B. See Paul, Aranjaniyil K. Marban, E. See Wier, W. G. Margalit, Hanah. See Good, Michael F. Markides, Karin E. See Lee, Milton L.

Markl, Hubert: review of Leaders in the Study of Animal Behavior, edited by Donald A. Dewsbury, p598 30 Jan 1987.

Marks, Cara Berman; Naderi, Hossein; Kosen, Phyllis Anne; Kuntz, Irwin D.; Anderson, Stephen: Mutants of bovine pancreatic trypsin inhibitor lacking cysteines 14 and 38 can fold properly. p1370 13 Mar 1987.

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Martin, Samuel K.; Oduola, Avo M. J.; Milhous, Wilbur K.: Reversal of chloroquine resistance in Plasmodium falciparum by verapamil. p899 20 Feb 1987.

Marvin, Ursula B.: review of Cosmic Debris, by John G. Burke. p1681 27 Mar 1987.

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McDonald, Gregory A.; Anacker, Robert L.; Garjian, Kareen: Cloned gene of Rickettsia rickettrii surface antigen: candidate vaccine for Rocky Mountain spotted fever. p83 2 Jan

McDonnell, Donald P.; Mangelsdorf, David J.; Pike, J. Wesley; Haussler, Mark R.; O'Malley, Bert W.: Molecular cloning of complementary DNA encoding the avian receptor for vitamin D. p1214 6 Mar 1987.

McGinnis, William. See Utset, Ma... el F. McGuire, William L. See Slamon, Dennis J. McKee, Chris. See Mori, Jim. McKinnon, W. R. See Tarascon, J. M.

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McMenamin, Mark A. S.: Late Cretaceous atmospheric oxygen (letter). p1561 27 Mar 1987. McNair, Harold M.: High-performance liquid chromatography, gas chromatography, and su-percritical fluid chromatography (Guide). pG43 27 Feb 1987.

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Meng, R. L. See Chu, C. W. Menyuk, Norman. See Killinger, Dennis K. Miczek, Klaus A. and Weerts, Elise M.: Seizures in drag-treated animals (letter). p1127 6 Mar

Nat. Craig. See Buus, Soren. Mithou: Wilbur K. See Martin, Samuel K. Miller, Henry I. and Young, Frank E.: Recombi-nant DNA: international guidelines (letter). p14 2 Jan 1987

Miller, Joel S. and Dixon, David A.: Dianion stabilization by (M(C5(CH3)5)2)+: theoretical evidence for a localized ring in (DDQ)2-. p871 20 Feb 1987.

Miller, L. Stephen. See Lewy, Alfred J. Miller, Louis H. See Good, Michael F. Miller, Richard J.: Multiple calcium channels and

neuronal function. p46 2 Jan 1987

Miller, Robert H.; Lasek, Raymond J.; Katz, Michael J.: Preferred microtubules for vesicle transport in lobster axons. p220 9 Jan 1987. Minor, Iwona. See Luo, Ming.

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Molnar, Peter; Burchfiel, B. Clark; Zhao, Zivun; Liang, K'uangyi; Wang, Shuji; Huang, Minmin: Geologic evolution of northern Tibet: results of an expedition to Ulugh Muztagh. p299 16 Jan 1987.

Monsieur, Rita. See Vassart, Gilbert. Montfort, William R. See Hardy, Larry W. Montgomery, John C. and Macdonald, John A.: Sensory tuning of lateral line receptors in Antarctic fish to the movements of planktonic prey.

p195 9 Jan 1987. Montgomery, William: review of Controversy in Victorian Geology, by James A. Secord. p490 23 Jan 1987.

Mooney, Harold A. See Ehrlich, Anne H. Morgan, John. See Sharma, Surenda. Morgan, Melissa M. See Parikh, Vandana S. Morgan, Nelson H. See Gevins, Alan S. Mori, Hiroshi; Kondo, Jun; Ihara, Yasuo: Ubiquitin is a component of paired helical filaments in Alzheimer's disease. p1641 27 Mar

Mori, Jim and McKee, Chris: Outward-dipping ring-fault structure at Rabaul caldera as shown by earthquake locations. p193 9 Jan 1987. Moriarty-Schieven, G. H. See Huang, Y.-L.

Morimoto, M. See Levy, G. S.

Morin, Nancy R.: review of Flora of the Great Plains, by The Great Plains Flora Association. p800 13 Feb 1987.

Morse, Herbert C., III. See Potter, Michael. Moss, Bernard. See Good, Michael F. Mostow, G. D.: SDI research funds (letter). p15 2 Jan 1987.

Motoyoshi, Kazuo. See Wong, Gordon G. Mueckler, Michael M. See Flier, Jeffrey S. Mumford, J. L.; He, X. Z.; Chapman, R. S.; Cao, S. R.; Harris, D. B.; Li, X. M.; Xian, Y. L.; Jiang, W. Z.; Xu, C. W.; Chuang, J. C.; Wilson, W. E.; Cooke, M.: Lung cancer and indoor air pollution in Xuan Wei, China. p217 9 Jan 1987.

Murtha, Patricia. See Wong, Gordon G. Mushinski, Elizabeth B. See Potter, Michael. Mushinski, J. Frederic. See Potter, Michael. Mutharia, Lucy M. See Gardiner, Peter R. Myers, Richard H. See St George-Hyslop, Peter

### N, O, P, and R

Nadel, Lynn: review of *The Hippocampus*, edited by Robert L. Isaacson and Karl H. Pribram. p1682 27 Mar 1987.

Naderi, Hossein. See Marks, Cara Berman. Naftolin, F. See Boyle, M. B.

Nakamura, Yusuke; Leppert, Mark; O'Connell, Peter; Wolff, Roger; Holm, Tom; Culver, Melanie; Martin, Cindy; Fujimoto, Esther; Hoff, Mark; Kumlin, Erika; White, Ray: Variable number of tandem repeat (VNTR) markers for human gene mapping. p1616 27 Mar 1987.

Nakanishi, Koji. See Tomasz, Maria. Narayanamurti, V.: Artificially structured thin-

film materials and interfaces. p1023 27 Feb Nathan, David G .: review of Megakaryocyte Devel-

opment and Function, edited by Richard F. Levine, Neil Williams, Jack Levin, and Bruce L. Evatt. p96 2 Jan 1987. Nathanson, James A. See Steardo, Luca.

Nathanson, Neal. See Sundin, Daniel R. Nee, Linda. See St George-Hyslop, Peter H. Neve, Rachael L. See Tanzi, Rudolph E. Nicole, Annie. See Delabar, Jean-Maurice. Noguchi, Philip. See Greiner, John W.

Norman, Colin (news): Academy panel blasts U.S. export controls. p424 23 Jan 1987. Budget details released. p628 6 Feb 1987. Comings and goings. p159 9 Jan 1987. Comings and goings. p630 6 Feb 1987. The conventional look of near-term SDI. p278 16 Jan 1987. Crises and nuclear control. p1135 6 Mar 1987. The dark side of SDI. p962 27 Feb 1987. Debate over SDI enters new phase, p2.77 to Jan 1987. A dispute over Soviet ABM plans p524 30 Jan 1987. Expanding deserts, shrink-ing resources, p963 27 Feb 1987. New book for House committee. p629 6 Feb 1987. Nuclear tests defended. p963 27 Feb 1987. Science budget: more of the same. p151 9 Jan 1987. Soviet Union accused of treaty violations. p1456 20 Mar 1987. Technology study gets under way. p1570 27 Mar 1987. Trading charges over radars. p525 30 Jan 1987. Treaty compliance rated good. p839 20 Feb 1987. When Nunn speaks. . . . p1457 20 Mar 1987.

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O'Halloran, Thomas and Walsh, Christopher: Metalloregulatory DNA-binding protein encoded by the merR gene: isolation and characterization. p211 9 Jan 1987.

O'Malley, Bert W. See McDonnell, Donald P. Oduola, Ayo M. J. See Martin, Samuel K.

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Orians, Gordon H.: review of Are Australian Ecosystems Different?, edited by J. R. Dodson and M. Westoby. p226 9 Jan 1987. Overbeek, Paul A. See Mahon, Kathleen A.

Pagan, Susan. See Tanzi, Rudolph E. Palm, Gunther: Computing with neural networks (technical comment). p1227 6 Mar 1987.
Palmenberg, Ann C. See Luo, Ming.
Parikh, Vandana S.; Morgan, Melissa M.; Scott,

Rose; Clements, L. Scott; Butow, Ronald A.: The mitochondrial genotype can influence nuclear gene expression in yeast. p576 30 Jan 1987

Parslow, Tristram G.; Jones, Susan Dana; Bond, Barbara; Yamamoto, Keith R.: The immunoglobulin octanucleotide: independent activity and selective interaction with enhancers. p1498 20 Mar 1987

Patterson, David. See Tanzi, Rudolph E.

Paul, Aranjaniyil K.; Marala, Ravi B.; Jaiswal, Rama Kant; Sharma, Rameshwar K.: Coexistence of guanylate cyclase and atrial natriuretic factor receptor in a 180-kD protein. p1224 6 Mar 1987

Paul, Steven M. See Suzdak, Peter D. Pawlak, Jan. See Tomasz, Maria.

Pearson, Terry W. See Gardiner, Peter R.

Pedersen, Niels C.; Ho, Esther W.; Brown, Marlo L.; Yamamoto, Janet K.: Isolation of a Tlymphotropic virus from domestic cats with an immunodeficiency-like syndrome. p790 13 Feb 1987.

Peebles, P. J. E.: review of Inner Space/Outer Space, edited by Edward W. Kolb et al. p372 16 Jan 1987.

Peffer, Nancy J. See Greene, Warner C.

Pelicci, Pier-Giuseppe. See Barletta, Cosimo. Pericak-Vance, M. A. See Bartlett, R. J.

Pernick, Martin S .: review of The The Perspective, by John Harley Warner. p1521 20 Mar 1987.

Perrow, Charles: review of Waiting for Disaster, by Ralph H. Turner, Joanne M. Nigg, and Denise Heller Paz. p94 2 Jan 1987.

Pestka, Sidney. See Greiner, John W. Peterman, Randall M. and Bradford, Michael J.: Wind speed and mortality rate of a marine fish, the northern anchovy (Engraulis mordaux). p354 16 Jan 1987.

Peterson, John I.: Laboratory experimentation with a personal computer (Guide). pG162 27 Feb 1987.

Peto, Richard: Saturated fat avoidance (letter). p1562 27 Mar 1987.

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30 Jan 1987.

Pitts, Ferris N., Jr. See Allen, Allen D. Podlisny, Marcia B. See Selkoe, Dennis J. Polinsky, Ronald J. See St George-Hyslop, Peter Pollen, Daniel. See St George-Hyslop, Peter H. Potter, Michael; Mushinski, J. Frederic; Mushinski, Elizabeth B.; Brust, Susan; Wax, Judith S.; Wiener, Francis; Babonits, Magda; Rapp, Ulf R.; Morse, Herbert C., III: Avian v-myc replaces chromosomal translocation in murine plasmacytomagenesis. p787 13 Feb 1987

Pratt, John: Basic research funding (letter). p1447 20 Mar 1987.

Preuss, Daphne. See Kaiser, Chris A. Price, Donald L. See Selkoe, Dennis J. Primi, Daniele. See Choquet, Daniel. Purdie, D. A. See Ducklow, Hugh W.

Racker, Efraim: Structure, function, and assembly of membrane proteins. p959 27 Feb 1987. Raghavachari, Krishnan. See Brown, W. L.

Ramos, Juan L.; Wasserfallen, Alain; Rose, Keith; Timmis, Kenneth N.: Redesigning met-abolic routes: manipulation of TOL plasmid pathway for catabolism of alkylbenzoates. p593 30 Jan 1987.

Rapp, Ulf R. See Potter, Michael. Ray, J. D. See Dickerson, R. R.

Rebek, Julius, Jr.: Model studies in molecular recognition. p1478 20 Mar 1987. Reed, Randall R. See Lee, Kyu-Ho.

Regan, Lynne; Bowie, James; Schimmel, Paul: Polypeptide sequences essential for RNA recognition by an enzyme. p1651 27 Mar 1987. Regelson, William: Growth hormone use (letter). pl4 2 Jan 1987.

Reibnegger, Gilbert. See Fuchs, Dietmar. Reiner, David S. See Gillin, Frances D.

Reinhold, Brian: Weather regimes: the challenge in extended-range forecasting. p437 23 Jan 1987.

Reis, Donald J. See Saji, Makoto.

Retallack, Gregory J. and Feakes, Carolyn R.: Trace fossil evidence for Late Ordovician animals on land. p61 2 Jan 1987.

Rettenmeier, Albert W. See Rettie, Allan E. Rettie, Allan E.; Rettenmeier, Albert W.; Howald, William N.; Baillie, Thomas A.: Cytochrome P-450-catalyzed formation of Δ4-VPA, a toxic metabolite of valproic acid. p890 20 Feb 1987.

Reuter, C. C. See Laufer, H. Rhodes, J. Michael. See Tilling, Robert I.

Ricklefs, Robert E.: Community diversity: relative roles of local and regional processes. p167 9 Jan 1987.

Riedel, Nora; Wolin, Sandra; Guthrie, Christine: A subset of yeast snRNA's contains functional binding sites for the highly conserved Sm anti-gen. p328 16 Jan 1987.

Roberts, Shauna S.: The Red Queen and the new Guide (Guide). pG4 27 Feb 1987.

Robinson, Arthur L. (news): Bright synchrotron sources evolve. p841 20 Feb 1987. Free electron laser success explained. p29 2 Jan 1987. Materials scientists seek a unified voice. p161 9 Jan 1987. Record high-temperature superconductors claimed. p531 30 Jan 1987. A 16-megabit memory chip from Japan. p1324 13 Mar 1987. A superconductivity happening. p1571 27 Mar 1987. Superconductor claim raised to 94 K. pl137 6 Mar 1987. Values of fundamental con-

Robinson, Lucy C.; Gibbs, Jackson B.; Marshall, Mark S.; Sigal, Irving S.; Tatchell, Kelly: CDC25: a component of the RAS-adenylate cyclase pathway in Saccharomyces cerevisiae. p1218 6 Mar 1987.

Rodda, Stuart J. See Getzoff, Elizabeth D. See also Geysen, H. Mario.

Rose, Keith. See Ramos, Juan L.

Rosen, Craig A. See Greene, Warner C. Rosen, Michael R. and Hoffman, Brian F.: NIH fraud guidelines (letter). p1561 27 Mar 1987.

Rosen, Ora M. See Birnbaum, Morris I. Rosenstein, Jeffrey M.: Neocortical transplants in the mammalian brain lack a blood-brain barrier to macromolecules. p772 13 Feb 1987. Roses, A. D. See Bartlett, R. J.

Rosin, R.: Rejection and revolution (letter). p16 2 Jan 1987.

Ross, D. See Bartlett, R. J.

Rossant, J. See Goring, D. R. Rossi, Peter H.; Wright, James D.; Fisher, Gene A.; Willis, Georgianna: The urban homeless: estimating composition and size. p1336 13 Mar 1987

Rossmann, Michael G. See Luo, Ming.

Roth, B. See Barkas, T.

Roughgarden, Jonathan. See Gaines, Steven D. Rowe, James W. See Abelson, Philip H.

Roxlo, C. B.; Deckman, H. W.; Gland, J.; Cameron, S. D.; Chianelli, R. R.: Edge surfaces in lithographically textured molybdenum disul-fide. p1629 27 Mar 1987.

Roy, Della M.: New strong cement materials: chemically bonded ceramics. p651 6 Feb 1987. Ruddle, Frank H. See Utset, Manuel F.

#### S

Sachs, H. See Fowler, I. S. Sack, Robert L. See Lewy, Alfred J. Saffiotti, Umberto. See Goldgaber, Dmitry.

Saito, Minoru. See Wong, Gordon G. Saji, Makoto and Reis, Donald J.: Delayed transneuronal death of substantia nigra neurons prevented by y-aminobutyric acid agonist. p66 2 Jan 1987.

Salmon, Denise. See St George-Hyslop, Peter H. Samson, Willis K. See Lumpkin, Michael D. Sanderson, Sam: Textbook controversy (letter).

p955 27 Feb 1987 Sanford, Robert L., Jr.: Apogeotropic roots in an Amazon rain forest. p1062 27 Feb 1987.

Santi, Daniel V. See Hardy, Larry W. Sarthou, Pierre. See Choquet, Daniel. Sauch, Judith F. See Gillin, Frances D.

Saunders, Anne. See Laurence, Jeffrey. Schaefer, Jacob; Kramer, Karl J.; Garbow, Joel R.; Jacob, Gary S.; Stejskal, Edward O.; Hopkins, Theodore L.; Speirs, Roy D.: Aromatic cross-links in insect cuticle: detection by solidstate <sup>13</sup>C and <sup>15</sup>N NMR. p1200 6 Mar 1987.

Schertzer, D. See Lovejoy, S. Schimmel, Paul. See Regan, Lynne. Schlom, Jeffrey. See Greiner, John W. Schlüter, M. See Brown, W. L.

Schlyer, D. See Fowler, J. S.

Schnathorst, William C. See Karban, Richard. Scholz, Kenneth P. and Byrne, John H.: Longterm sensitization in Aplysia: biophysical correlates in tail sensory neurons. p685 6 Feb 1987. Schooley, D. A. See Laufer, H.

Schooley, Robert T. See Vogt, Markus W. Schotz, Michael C. See Wion, Karen L.

Schultz, Gregory S.; White, Michael; Mitchell, Robert; Brown, Gregory; Lynch, Jenny; Twardzik, Daniel R.; Todaro, George J.: Epithelial wound healing enhanced by transforming growth factor-α and vaccinia growth factor. p350 16 Jan 1987.

Schulz, Thomas. See Fuchs, Dietmar.

Schwartz, Jeffrey: review of Organotransition Metal Chemistry, by Akio Yamamoto. p1410 13 Mar 1987.

Schwartz, Rochelle D. See Suzdak, Peter D. Scott, Rose. See Parikh, Vandana S.

Scraba, Douglas G. See Luo, Ming. Seguin, Carl and Hamer, Dean H.: Regulation in vitro of metallothionein gene binding factors. p1383 13 Mar 1987.

Sehgal, Pravinkumar B.; May, Lester T.; Tamm,

Igor; Vilček, Jan: Human β2 interferon and Bcell differentiation factor BSF-2 are identical. p731 13 Feb 1987.

Seitz, Russell: Nuclear winter debate (letter). p832 20 Feb 1987.

Selkoe, Dennis J.; Bell, Douglas S.; Podlisny, Marcia B.; Price, Donald L.; Cork, Linda C.: Conservation of brain myloid proteins in aged mammals and humans with Alzheimer's disease. p873 20 Feb 1987.

Sepkoski, J. John, Jr.: Environmental trends in extinction during the Paleozoic. p64 2 Jan

Sette, Alessandro. See Buus, Soren. See also Guillet. Jean-Gerard.

Shah, Neil P. See Kitado, Haruo. See also Wachsman, William.

Shanks, Alan L.: The onshore transport of an oil spill by internal waves. p1198 6 Mar 1987. Sharma, Rameshwar K. See Paul, Aranjaniyil K.

Sharma, Surenda; Mehta, Shashi; Morgan, John; Maizel, Abby: Molecular cloning and expression of a human B-cell growth factor gene in Escherichia coli. p1489 20 Mar 1987. Sharp, Phillip A.: Splicing of messenger RNA precursors. p766 13 Feb 1987.

Sharples, Frances E.: Regulation of products from biotechnology, p1329 13 Mar 1987. Sherman, Barry M.: Growth hormone use (letter). p14 2 Jan 1987.

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Sherr, Evelyn B.; Sherr, Barry F.; Albright, Lawrence J.: Bacteria: link or sink? (technical comment). p88 2 Jan 1987.

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prices. p33 2 Jan 1987. Shimotohno, Kunitada. See Kitado, Haruo.

Shiomi, T. See Levy, G. S. Sibley, Barbara S. See Wong, Gordon G. Sigal, Irving S. See Robinson, Lucy C.

Silsbee, Robert H.: Berry's phase: other observations (letter). p523 30 Jan 1987.

Silver, Jerry. See Mahowald, Mary B. Simkin, Susan M.; van Gorkom, Jacqueline; Hibbard, John; Su, Hong-Jun: Markarian 348: a tidally disturbed Seyfert galaxy. p1367 13 Mar

1987 Simon, Melvin I. See Bruist, Michael F.

Simon, William: Public school teaching: an alternative (letter). p267 16 Jan 1987. Sinclair, Rolf M.: Moonlight and circadian

rhythms (letter). p145 9 Jan 1987. Sinet, Pierre-Marie. See Delabar, Jean-Maurice. Singh, U. Chandra. See Bash, Paul A.

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; Clark, Gary M.; Wong, Steven G.; Levin, Wendy J.; Ullrich, Axel; McGuire, William L.: Human breast cancer: correlation of relapse and survival with amplification of the HER-2/ nen oncogene. p177 9 Jan 1987. Slinn, W. G. N. See Dickerson, R. R.

Sloviter, Robert S.: Decreased hippocampal inhibition and a selective loss of interneurons in experimental epilepsy. p73 2 Jan 1987.

Smith, Andrew B.: review of Phylogeny Reconstuction in Paleontology, by Robert M. Schoch. p696 6 Feb 1987.

Smith, Cassandra L. See Lawrence, Simon K. Smith, Geoffrey L. See Good, Michael F. Smith, John A. See Guillet, Jean-Gerard.

Smith, Lloyd M.: Automated DNA sequence analysis (Guide). pG89 27 Feb 1987. Smith, M. See Fowler, J. S.

Smith, Martyn T.: Quantitative risk aspects of "Woburn case" (letter). p144 9 Jan 1987.

Smith, Richard A.; Alexander, Richard B.; Wolman, M. Gordon: Water quality trends in the nation's rivers. p1607 27 Mar 1987. Smith, Stephen D. See Barletta, Cosimo.

Sodroski, Joseph G. See Greene, Warner C. Sofia, Sabatino. See Chan, Kwing L. Sorbi, Sandro. See St George-Hyslop, Peter H. Soter, Steven: SDI survey (letter). p831 20 Feb 1987

Souza, Larry. See Wachsman, William.

Spaepen, Frans: The art and science of microstructural control. p1010 27 Feb 1987.

Sparkes, Robert S.: review of The Consequences of Chromosome Imbalance, by Charles J. Epstein. p916 20 Feb 1987.

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St George-Hyslop, Peter. See Tanzi, Rudolph E. ; Tanzi, Rudolph E.; Polinsky, Ronald J.; Haines, Jonathan L.; Nee, Linda; Watkins, Paul C.; Myers, Richard H.; Feldman, Robert G.; Pollen, Daniel; Drachman, David; Growdon, John; Bruni, Amalia; Foncin, Jean-Francois; Salmon, Denise; Frommelt, Peter; Amaducci, Luigi; Sorbi, Sandro; Piacentini, Silva; Stewart, Gordon D.; Hobbs, Wendy J.; Conneally, P. Michael; Gusella, James F.: The genetic defect causing familial Alzheimer's disease maps on chromosome 21. p885 20 Feb

Stachel, Scott E. See Wang, Kan. Stålnacke, C.-G. See Fowler, J. S.

Staples, Richard C. See Hoch, Harvey C. Steardo, Luca and Nathanson, James A.: Brain barrier tissues: end organs for atriopeptins. p470 23 Jan 1987.

Stedman, D. H. See Dickerson, R. R. Steitz, Thomas A. See Bruist, Michael F. Stejskal, Edward O. See Schaefer, Jacob. Stephano, José Luis. See Gould, Meredith.

Stern, D. F.; Hare, D. L.; Cecchini, M. A.; Weinberg, R. A.: Construction of a novel oncogene based on synthetic sequences encoding epidermal growth factor. p321 16 Jan 1987.

Stevens, J. G.; Wagner, E. K.; Devi-Rao, G. B.; Cook, M. L.; Feldman, L. T.: RNA complementary to a herpesvirus a gene mRNA is prominent in latently infected neurons. p1056 27 Feb 1987.

Stewart, Gordon D. See St George-Hyslop, Peter H.

Stewart, Walter W. and Feder, Ned: Research practices (letter). p146 9 Jan 1987.

Stocker, Roland; Yamamoto, Yorihiro; McDonagh, Antony F.; Glazer, Alexander N.; Ames, Bruce N.: Bilirubin is an antioxidant of possible physiological importance. p1043 27 Feb 1987.

Stone, M.: review of The History of Statistics, by Stephen M. Stigler, and The Rise of Statistical Thinking, 1820-1900, by Theodore M. Porter. p1262 6 Mar 1987.

Stone, Robert G.: review of Solar Radiophysics, edited by D. J. McLean and N. R. Labrum. p800 13 Feb 1987.

Strange, K. and Spring, K. B.: Absence of signifi-cant cellular dilution during ADH-stimulated water reabsorption. p1068 27 Feb 1987.

Stroud, Robert M. See Hardy, Larry W. Su, Hong-Jun. See Simkin, Susan M.

Sundin, Daniel R.; Beaty, Barry J.; Nathanson, Neal; Gonzalez-Scarano, Francisco: A G1 glycoprotein epitope of La Crosse virus: a determinant of infection of Aedes triseriatus. p591 30 Jan 1987.

Suzdak, Peter D.; Glowa, John R.; Crawley, Jacqueline N.; Schwartz, Rochelle D.; Skol-

nick, Phil; Paul, Steven M.: Seizures in drugtreated animals (letter). pl127 6 Mar 1987. Svetlik, Penny B. See Greene, Warner C.

Tainer, John A. See Getzoff, Elizabeth D. See also Geysen, H. Mario.

Taintor, Read R. See Hibbs, John B., Jr. Takaku, Fuminaro. See Wong, Gordon G.

Takano, Bokuichiro: Correlation of volcanic activity with sulfur oxyanion speciation in crater lake. p1633 27 Mar 1987.

Tamm, Igor. See Sehgal, Pravinkumar B. Tank, David W. See Hopfield, John I.

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Gusella, James F.; Watkins, Paul C.; Bruns, Gail A. P.; St George-Hyslop, Peter; Van Keuren, Margaret L.; Patterson, David; Pagan, Susan; Kurnit, David M.; Neve, Rachael L.: Amyloid B protein gene: cDNA, mRNA distribution, and genetic linkage near the Alzheimer locus. p880 20 Feb 1987.

Tarascon, J. M.; Greene, L. H.; McKinnon, W. R.; Hull, G. W.; Geballe, T. H.: Superconductivity at 40 K in the oxygen-defect perovskites La<sub>2-x</sub>Sr<sub>x</sub>CuO<sub>4-y</sub>. p1373 13 Mar 1987. Tatchell, Kelly. See Robinson, Lucy C.

Taylor, Michael E.: review of The Burgess Shale, by Harry B. Whittington. p94 2 Jan 1987.

Teeri, James A.: review of On the Economy of Plant Form and Function, edited by Thomas J. Givnish. p1523 20 Mar 1987.

Teeter, Martha M. See Brünger, Axel T. (p1049). Temple, Patricia A. See Wong, Gordon G. Teyler, Timothy J.: review of Synapses, Circuits,

and the Beginnings of Memory, by Gary Lynch with commentaries by Gordon M. Shepherd, Ira B. Black, and Herbert P. Killackey. p492 23 Jan 1987.

Thibault, M.-C. See Bartlett, R. J. Tienda, Marta. See Borjas, George J.

Tilghman, Shirley M. See Hammer, Robert E. Tilling, Robert I.; Rhodes, J. Michael; Sparks, Joel W.; Lockwood, John P.; Lipman, Peter W.: Disruption of the Mauna Loa magma system by the 1868 Hawaiian earthquake: geochemical evidence. p196 9 Jan 1987.

Timmerman, Benedikt. See Wang, Kan. Timmis, Kenneth N. See Ramos, Juan L. Todaro, George J. See Schultz, Gregory S. Tomasz, Maria; Lipman, Roselyn; Chowdary,

Dondapati; Pawlak, Jan; Verdine, Gregory L.; Nakanishi, Koji: Isolation and structure of a covalent cross-link adduct between mitomycin C and DNA. p1204 6 Mar 1987.

Topoff, Howard: Universe creation (letter). p1447 20 Mar 1987.

Towe, Kenneth M.: Earth's early atmosphere (letter). p415 23 Jan 1987.

Travis, Joseph: review of Ecology and Natural History of Desert Lizards, by Eric R. Pianka. p492 23 Jan 1987.

Tronrud, Dale E.; Holden, Hazel M.; Matthews, Brian W.: Structures of two thermolysin-inhibitor complexes that differ by a single hydrogen

bond. p571 30 Jan 1987. Tsai, L. W. See Laufer, H. Tsonis, A. A. See Lovejoy, S. Tsui, L.-C. See Goring, D. R.

Tucker, Compton J. See Linthicum, Kenneth J.

Turner, Katherine J. See Wong, Gordon G. Turner, R. Steven: review of From Knowledge to Power, by Harry W. Paul, and Science in the Provinces, by Mary Jo Nye. p1408 13 Mar 1987.

Twardzik, Daniel R. See Schultz, Gregory S. Tzartos, S. J. See Barkas, T.

Ullrich, Axel. See Slamon, Dennis J. Usher, Fatricia. See Flier, Jeffrey S.

Utset, Manuel F.; Awgulewitsch, Alexander; Ruddle, Frank H.; McGinnis, Villiam: Region-specific expression of two mouse homeo box genes. p1379 13 Mar 1987.

Vaessen, Ruud T. M. J.; Houweling, Ada; van der Eb, Alex J.: Post-transcriptional control of class I MHC mRNA expression in adenovirus 12-transformed cells. p1486 20 Mar 1987. Vail, Peter R. See Haq, Bilal U.

Vance, Richard R.: review of Population Biology and Evolution of Clonal Organisms, edited by Jeremy B. C. Jackson, Leo W. Buss, and Robert E. Cook. p1264 6 Mar 1987.

van der Eb, Alex J. See Vaessen, Ruud T. M. J. Vande Woude, George F. See Collins, Francis S. van Gorkom, Jacqueline. See Simkin, Susan M. Van Keuren, Margaret L. See Tanzi, Rudolph E.

Van Montagu, Marc. See Wang, Kan. Vassart, Gilbert; Georges, Michel; Monsieur, Rita; Brocas, Huguette: Lequarre, Anne Sophie; Christophe, Daniel: A sequence in M13 phage detects hypervariable minisatellites in human and animal DNA. p683 6 Feb 1987. Vaughan, John H. See Lotz, Martin.

Vavrin, Zdenek. See Hibbs, John B., Jr. Vedeckis, Wayne V. See Ali, Masarrat. Verdine, Gregory L. See Tomasz, Maria. Vilček, Jan. See Schgal, Pravinkumar B.

Vitousek, Peter M.; Ehrlich, Paul R.; Ehrlich, Anne H.; Matson, Pamela A.: Net primary production: original calculations (letter). p730 13 Feb 1987.

Vitz, Paul C.: Textbook controversy (letter). p955 27 Feb 1987.

Vogl, Thomas P.: U.S. management and produc-

tivity (letter). p416 23 Jan 1987. Vogt, Markus W.; Hartshorn, Kevan L.; Furman, Phillip A.; Chou, Ting-Chao; Fyfe, James A.; Coleman, Leslie A.; Crumpacker, Clyde; Schooley, Robert T.; Hirsch, Martin S.: Ribavirin antagonizes the effect of azidothymidine on HIV replication. p1376 13 Mar 1987. Vriend, Gerrit. See Luo, Ming.

Wachsman, William; Cann, Alan J.; Williams, Janice L.; Slamon, Dennis J.; Souza, Larry; Shah, Neil P.; Chen, Irvin S.: HTLV x gene mutants exhibit novel transcriptional regulatory

phenotypes. p674 6 Feb 1987. Wachtel, Ruth E.: Personal bibliographic databases. p1093 27 Feb 1987.

Wachter, Helmut. See Fuchs, Dietmar.

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Wang, Zhen-Ru: Two gamma-ray sources and ancient guest stars. p1485 20 Mar 1987. Wano, Yuji. See Greene, Warner C.

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and Friedlander, Gerhart: Solar neutrinos: questions and hypotheses. p755 13 Feb 1987. Werner, Ernst R. See Fuchs, Dietmar. Werz, Mary Ann. See Grega, Debra S. Westheimer, F. H.: Why nature chose phos-phates. pl173 6 Mar 1987. Westphal, Heiner. See Mahon, Kathleen A.

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Wier, W. G.; Cannell, M. B.; Berlin, J. R.; Marban, E.; Lederer, W. J.: Cellular and sub-cellular heterogeneity of [Ca<sup>2+</sup>], in single heart cells revealed by fura-2. p325 16 Jan 1987. Williams, David A.; Becker, Peter L.; Fay, Fredric

S.: Regional changes in calcium underlying contraction of single smooth muscle cells. p1644 27 Mar 1987.

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Wise, George: review of Misunderstanding Media, by Brian Winston. p490 23 Jan 1987.

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Yamaoka, L. See Bartlett, R. J. Yanai, Nobuya. See Wong, Gordon G. Yang, Yu-Chung. See Wong, Gordon G.

Yatani, Atsuko; Codina, Juan; Brown, Arthur M.; Birnbaumer, Lutz: Direct activation of mammalian atrial muscarinic potassium channels by GTP regulatory protein Gk. p207 9 Jan

Yip, Brandon; Lam, Joseph K.; Winter, Michael; Long, Marshall B.: Time-resolved three-dimensional concentration measurements in a gas jet. p1209 6 Mar 1987.

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gy" (letter). p415 23 Jan 1987. Young, Donn C.: Viewing stereo drawings (letter). p623 6 Feb 1987.

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Young, Lih-Jiuan. See Lee, Wen-Hwa. Yuli, Itzhak and Oplatka, Avraham: Cytosolic acidification as an early transductory signal of human neutrophil chemotaxis. p340 16 Jan 1987.

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